66898LE Proximity Long Range Reader User Manual

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System Features

1. Reads any EM compatible Proximity Card
2. Output Format:
   - Wiegand 26 Bits
3. Waterproof
4. Certificates: CE, FCC, RoHS, MA

Technical Specifications

Size:

Card Format:	EM4001 or compatible
Frequency:	125 KHz
Power:	12V DC, 3A
Current:	Static 400mA, Operating: 600mA.
Operating Temperature:	-14℃ ~ +70℃.
Humidity:	10%～90%
Read Range:	Up to 120Cm Based on 2318-S card

Caution:

- Before power on, please confirm the power supply for 6689LE supply current of more than 1,000 mA based on 12V DC.
- Please do not use the controller power supply. Since 6689LE consums more than

1,000 mA of current please use another pow er supply.

- If you use a different pow er supply, please connect the GND of this pow er supply to GND of the 6689LE connector on the controller.

Wiring Diagram

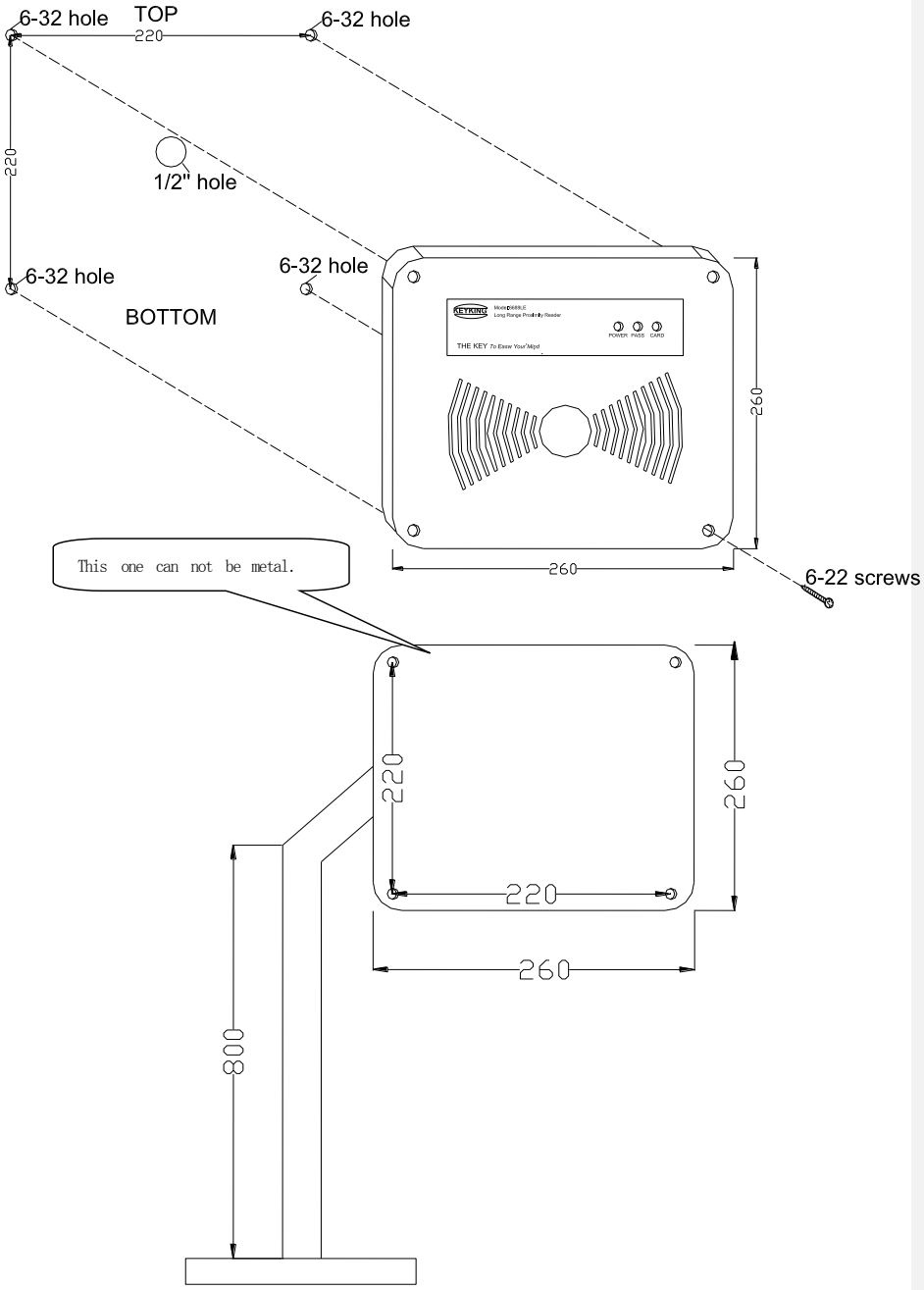
No.	Wire Color	Description	Purpose
1	Black	GND	Ground
2	Blue	Green LED	Shorted to GND - Green LED will be ON.
3	Green	Data0 (Data)	Data 0
4	White	Data1 (Clock)	Data 1
5	Brown	HOLD	N/A
6	Red	5V~15VDC	Power supply (Vcc): +12V DC

Notes:

- ***The connection between the reader and controller should use 8 wires STP cable. The diameter should be over 24 AWG(0.206mm²)The distance should be less than 100M.***
- ***To transmit the data successfully, the Data 0 and Data 1 should use the same pair, e.g. Green and Green/white (pair of wires in the cable).***
- ***When the transmitting distance is over 60M, the Data 0 and Data 1wires should be paralleled up with unused pairs to reduce the resistance. For example, if we have 4 free wires, then 2 should be shortened to Data0 and 2should be shortened to Data1***
- ***Do not use the same power supply source for the door lock and the reader to avoid EMF (electromotive force) interference.***

Surface Mounting Instructions

1. Mark and drill 4 mounting holes in the w all (diameter=6mm, depth=32mm)
2. Mark and drill another hole of 13mm for the cable.
3. Place the reader cable through the cable hole
4. Use 4 x screw s (6*22mm) to fasten the reader module to the w all.
5. Cover the reader module w ith reader case and clip into place.
6. **The reader can not be installed above metal, otherwise the reading range will be shorter.**



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